

# Peter Linke

## List of Publications by Year in descending order

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Version: 2024-02-01

78  
papers

4,646  
citations

108046

37  
h-index

120465

65  
g-index

83  
all docs

83  
docs citations

83  
times ranked

3765  
citing authors

#	ARTICLE	IF	CITATIONS
1	Autonomous methane seep site monitoring offshore western Svalbard: hourly to seasonal variability and associated oceanographic parameters. <i>Ocean Science</i> , 2022, 18, 233-254.	1.3	3
2	Towards improved monitoring of offshore carbon storage: A real-world field experiment detecting a controlled sub-seafloor CO <sub>2</sub> release. <i>International Journal of Greenhouse Gas Control</i> , 2021, 106, 103237.	2.3	39
3	Defining a biogeochemical baseline for sediments at Carbon Capture and Storage (CCS) sites: An example from the North Sea (Goldeneye). <i>International Journal of Greenhouse Gas Control</i> , 2021, 106, 103265.	2.3	11
4	Quantification of dissolved CO <sub>2</sub> plumes at the Goldeneye CO <sub>2</sub> -release experiment. <i>International Journal of Greenhouse Gas Control</i> , 2021, 109, 103387.	2.3	9
5	Water column baseline assessment for offshore Carbon Dioxide Capture and Storage (CCS) sites: Analysis of field data from the Goldeneye storage complex area. <i>International Journal of Greenhouse Gas Control</i> , 2021, 109, 103344.	2.3	12
6	Deviations from environmental baseline: Detection of subsea CO <sub>2</sub> release in the water column from real-time measurements at a potential offshore Carbon Dioxide Storage site. <i>International Journal of Greenhouse Gas Control</i> , 2021, 109, 103369.	2.3	3
7	Suitability analysis and revised strategies for marine environmental carbon capture and storage (CCS) monitoring. <i>International Journal of Greenhouse Gas Control</i> , 2021, 112, 103510.	2.3	17
8	Tidal Dynamics Control on Cold-Water Coral Growth: A High-Resolution Multivariable Study on Eastern Atlantic Cold-Water Coral Sites. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	23
9	Simulating and Quantifying Multiple Natural Subsea CO <sub>2</sub> Seeps at Panarea Island (Aeolian) Tj ETQq1 1 0.784314 rgBT /C <i>Science &amp; Technology</i> , 2019, 53, 10258-10268.	4.6	19
10	The Pelagic In situ Observation System (PELAGIOS) to reveal biodiversity, behavior, and ecology of elusive oceanic fauna. <i>Ocean Science</i> , 2019, 15, 1327-1340.	1.3	28
11	Footprint and detectability of a well leaking CO <sub>2</sub> in the Central North Sea: Implications from a field experiment and numerical modelling. <i>International Journal of Greenhouse Gas Control</i> , 2019, 84, 190-203.	2.3	33
12	Epibenthos Dynamics and Environmental Fluctuations in Two Contrasting Polar Carbonate Factories (Mosselbukta and Bj�rn�y-Banken, Svalbard). <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	12
13	Mobile underwater in situ gamma-ray spectroscopy to localize groundwater emanation from pockmarks in the Eckern�rde bay, Germany. <i>Applied Radiation and Isotopes</i> , 2018, 140, 305-313.	0.7	11
14	Modeling polyp activity of <i>Paragorgia arborea</i> using supervised learning. <i>Ecological Informatics</i> , 2017, 39, 109-118.	2.3	8
15	Shallow Gas Migration along Hydrocarbon Wells��An Unconsidered, Anthropogenic Source of Biogenic Methane in the North Sea. <i>Environmental Science &amp; Technology</i> , 2017, 51, 10262-10268.	4.6	21
16	Thermocline mixing and vertical oxygen fluxes in the stratified central North Sea. <i>Biogeosciences</i> , 2016, 13, 1609-1620.	1.3	15
17	Fault zone controlled seafloor methane seepage in the rupture area of the 2010 M�ule earthquake, central Chile. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 4802-4813.	1.0	32
18	Linked sediment and water��column methanotrophy at a man��made gas blowout in the North Sea: Implications for methane budgeting in seasonally stratified shallow seas. <i>Limnology and Oceanography</i> , 2016, 61, S367.	1.6	31

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19	Thermal small steps staircase and layer migration in the Atlantis II Deep, Red Sea. <i>Arabian Journal of Geosciences</i> , 2016, 9, 1.	0.6	1
20	Continuous inline mapping of a dissolved methane plume at a blowout site in the Central North Sea UK using a membrane inlet mass spectrometer – Water column stratification impedes immediate methane release into the atmosphere. <i>Marine and Petroleum Geology</i> , 2015, 68, 766-775.	1.5	27
21	Quantification of methane emissions at abandoned gas wells in the Central North Sea. <i>Marine and Petroleum Geology</i> , 2015, 68, 848-860.	1.5	69
22	Response of anaerobic methanotrophs and benthic foraminifera to 20 years of methane emission from a gas blowout in the North Sea. <i>Marine and Petroleum Geology</i> , 2015, 68, 731-742.	1.5	8
23	The fate of bubbles in a large, intense bubble megaplume for stratified and unstratified water: Numerical simulations of 22/4b expedition field data. <i>Marine and Petroleum Geology</i> , 2015, 68, 806-823.	1.5	27
24	Bubble momentum plume as a possible mechanism for an early breakdown of the seasonal stratification in the northern North Sea. <i>Marine and Petroleum Geology</i> , 2015, 68, 789-805.	1.5	9
25	Natural CO <sub>2</sub> Seeps Offshore Panama: A Test Site for Subsea CO <sub>2</sub> Leak Detection Technology. <i>Marine Technology Society Journal</i> , 2015, 49, 19-30.	0.3	22
26	Novel Online Digital Video and High-Speed Data Broadcasting via Standard Coaxial Cable Onboard Marine Operating Vessels. <i>Marine Technology Society Journal</i> , 2015, 49, 7-18.	0.3	14
27	Efficiency and adaptability of the benthic methane filter at Quepos Slide cold seeps, offshore of Costa Rica. <i>Biogeosciences</i> , 2015, 12, 6687-6706.	1.3	5
28	Ongoing methane discharge at well site 22/4b (North Sea) and discovery of a spiral vortex bubble plume motion. <i>Marine and Petroleum Geology</i> , 2015, 68, 718-730.	1.5	41
29	Long-term acoustic monitoring at North Sea well site 22/4b. <i>Marine and Petroleum Geology</i> , 2015, 68, 776-788.	1.5	35
30	Benthic O <sub>2</sub> uptake of two cold-water coral communities estimated with the non-invasive eddy correlation technique. <i>Marine Ecology - Progress Series</i> , 2015, 525, 97-104.	0.9	43
31	A sediment flow-through system to study the impact of shifting fluid and methane flow regimes on the efficiency of the benthic methane filter. <i>Limnology and Oceanography: Methods</i> , 2014, 12, 25-45.	1.0	9
32	Quantification of methane emission from bacterial mat sites at Quepos Slide offshore Costa Rica. <i>International Journal of Earth Sciences</i> , 2014, 103, 1817-1829.	0.9	9
33	Seepage of methane at Jaco Scar, a slide caused by seamount subduction offshore Costa Rica. <i>International Journal of Earth Sciences</i> , 2014, 103, 1801-1815.	0.9	16
34	New insights on the trophic ecology of bathyal communities from the methane seep area off Concepci3n, Chile (~36°S). <i>Marine Ecology</i> , 2014, 35, 1-21.	0.4	27
35	Quantifying tidally driven benthic oxygen exchange across permeable sediments: An aquatic eddy correlation study. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 6918-6932.	1.0	57
36	Recent Development in IR Sensor Technology for Monitoring Subsea Methane Discharge. <i>Marine Technology Society Journal</i> , 2013, 47, 27-36.	0.3	13

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37	Microbes, macrofauna, and methane: A novel seep community fueled by aerobic methanotrophy. <i>Limnology and Oceanography</i> , 2013, 58, 1640-1656.	1.6	39
38	Methane-Carbon Flow into the Benthic Food Web at Cold Seeps – A Case Study from the Costa Rica Subduction Zone. <i>PLoS ONE</i> , 2013, 8, e74894.	1.1	70
39	Sidescan sonar imagery of widespread fossil and active cold seeps along the central Chilean continental margin. <i>Geo-Marine Letters</i> , 2012, 32, 489-499.	0.5	30
40	Discovery of a natural CO <sub>2</sub> seep in the German North Sea: Implications for shallow dissolved gas and seep detection. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	62
41	Quantification of seep-related methane gas emissions at Tommeliten, North Sea. <i>Continental Shelf Research</i> , 2011, 31, 867-878.	0.9	107
42	Simple, robust eddy correlation amplifier for aquatic dissolved oxygen and hydrogen sulfide flux measurements. <i>Limnology and Oceanography: Methods</i> , 2011, 9, 340-347.	1.0	50
43	Elasmobranch egg capsules associated with modern and ancient cold seeps: a nursery for marine deep-water predators. <i>Marine Ecology - Progress Series</i> , 2011, 437, 175-181.	0.9	54
44	Geological imprint of methane seepage on the seabed and biota of the convergent Hikurangi Margin, New Zealand: Box core and grab carbonate results. <i>Marine Geology</i> , 2010, 272, 285-306.	0.9	51
45	Methane seepage along the Hikurangi Margin, New Zealand: Overview of studies in 2006 and 2007 and new evidence from visual, bathymetric and hydroacoustic investigations. <i>Marine Geology</i> , 2010, 272, 6-25.	0.9	114
46	Physical limitations of dissolved methane fluxes: The role of bottom-boundary layer processes. <i>Marine Geology</i> , 2010, 272, 209-222.	0.9	42
47	Benthic respiration in a seep habitat dominated by dense beds of ampharetid polychaetes at the Hikurangi Margin (New Zealand). <i>Marine Geology</i> , 2010, 272, 223-232.	0.9	55
48	Active venting sites on the gas-hydrate-bearing Hikurangi Margin, off New Zealand: Diffusive- versus bubble-released methane. <i>Marine Geology</i> , 2010, 272, 233-250.	0.9	42
49	Methane seepage along the Hikurangi Margin of New Zealand: Geochemical and physical data from the water column, sea surface and atmosphere. <i>Marine Geology</i> , 2010, 272, 170-188.	0.9	62
50	Cold seep carbonates and associated cold-water corals at the Hikurangi Margin, New Zealand: New insights into fluid pathways, growth structures and geochronology. <i>Marine Geology</i> , 2010, 272, 307-318.	0.9	72
51	Acoustic imaging of natural gas seepage in the North Sea: Sensing bubbles controlled by variable currents. <i>Limnology and Oceanography: Methods</i> , 2010, 8, 155-171.	1.0	76
52	Atmospheric methane flux from bubbling seeps: Spatially extrapolated quantification from a Black Sea shelf area. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	61
53	Pathways and regulation of carbon, sulfur and energy transfer in marine sediments overlying methane gas hydrates on the Opouawe Bank (New Zealand). <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 5763-5784.	1.6	32
54	Seabed methane emissions and the habitat of frenulate tubeworms on the Captain Arutyunov mud volcano (Gulf of Cadiz). <i>Marine Ecology - Progress Series</i> , 2009, 382, 69-86.	0.9	70

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55	Efficiency of the benthic filter: Biological control of the emission of dissolved methane from sediments containing shallow gas hydrates at Hydrate Ridge. <i>Global Biogeochemical Cycles</i> , 2006, 20, n/a-n/a.	1.9	95
56	Estimates of methane output from mud extrusions at the erosive convergent margin off Costa Rica. <i>Marine Geology</i> , 2006, 225, 129-144.	0.9	94
57	Intercalibration of benthic flux chambers. <i>Marine Chemistry</i> , 2005, 94, 147-173.	0.9	44
58	In situ benthic fluxes from an intermittently active mud volcano at the Costa Rica convergent margin. <i>Earth and Planetary Science Letters</i> , 2005, 235, 79-95.	1.8	78
59	Methane sources, distributions, and fluxes from cold vent sites at Hydrate Ridge, Cascadia Margin. <i>Global Biogeochemical Cycles</i> , 2005, 19, n/a-n/a.	1.9	75
60	U/Th systematics and ages of authigenic carbonates from Hydrate Ridge, Cascadia Margin: recorders of fluid flow variations. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 3845-3857.	1.6	174
61	Activity, Distribution, and Diversity of Sulfate Reducers and Other Bacteria in Sediments above Gas Hydrate (Cascadia Margin, Oregon). <i>Geomicrobiology Journal</i> , 2003, 20, 269-294.	1.0	254
62	Macrofaunal community structure and sulfide flux at gas hydrate deposits from the Cascadia convergent margin, NE Pacific. <i>Marine Ecology - Progress Series</i> , 2002, 231, 121-138.	0.9	294
63	Oxygen-minimum zone sediments in the northeastern Arabian Sea off Pakistan: a habitat for the bacterium <i>Thioploca</i> . <i>Marine Ecology - Progress Series</i> , 2001, 211, 27-42.	0.9	49
64	Hydrothermal studies in the aegean sea. <i>Physics and Chemistry of the Earth</i> , 2000, 25, 1-8.	0.3	89
65	Gas and fluid venting at the Makran accretionary wedge off Pakistan. <i>Geo-Marine Letters</i> , 2000, 20, 10-19.	0.5	86
66	Gas hydrate destabilization: enhanced dewatering, benthic material turnover and large methane plumes at the Cascadia convergent margin. <i>Earth and Planetary Science Letters</i> , 1999, 170, 1-15.	1.8	386
67	Geochemistry of a sealed deep-sea borehole on the Cascadia Margin. <i>Marine Geology</i> , 1998, 148, 9-20.	0.9	9
68	Fluid venting in the eastern Aleutian Subduction Zone. <i>Journal of Geophysical Research</i> , 1998, 103, 2597-2614.	3.3	123
69	Quantifying fluid flow, solute mixing, and biogeochemical turnover at cold vents of the eastern Aleutian subduction zone. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 5209-5219.	1.6	143
70	Response of deep-sea benthic foraminifera to a simulated sedimentation event. <i>Journal of Foraminiferal Research</i> , 1995, 25, 75-82.	0.1	84
71	In situ measurement of fluid flow from cold seeps at active continental margins. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1994, 41, 721-739.	0.6	107
72	Microhabitat preferences of benthic foraminifera – a static concept or a dynamic adaptation to optimize food acquisition?. <i>Marine Micropaleontology</i> , 1993, 20, 215-234.	0.5	335

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73	Miliolinella subrotunda (Montagu), a miliolid foraminifer building large detritic tubes for a temporary epibenthic lifestyle. <i>Marine Micropaleontology</i> , 1993, 20, 293-301.	0.5	31
74	The Role of Benthic Foraminifera in Deep-Sea Food Webs and Carbon Cycling. , 1992, , 63-91.		121
75	Metabolic adaptations of deep-sea benthic foraminifera to seasonally varying food input. <i>Marine Ecology - Progress Series</i> , 1992, 81, 51-63.	0.9	95
76	Autonomous Underwater Vehicle "ABYSS". <i>Journal of Large-scale Research Facilities JLSRF</i> , 0, 2, A79.	0.0	10
77	Remotely Operated Vehicle "ROV KIEL 6000". <i>Journal of Large-scale Research Facilities JLSRF</i> , 0, 3, A117.	0.0	3
78	Remotely Operated Vehicle "ROV PHOCA". <i>Journal of Large-scale Research Facilities JLSRF</i> , 0, 3, A118.	0.0	3